

**APPENDIX B: PENDING CLAIMS  
AS OF NOVEMBER 20, 2002**

**(U.S. APPLICATION NO. 10/042,417; ATTORNEY DOCKET NO. 5914-090)**

1. A method for screening compounds useful for the treatment of proliferative and differentiative disorders comprising contacting a compound with a cell or a cell extract expressing Cks1 and Skp2 or Cks1, p27 and Skp2, and detecting a change in the activity of Skp2.
2. The method of Claim 1 wherein the change in the activity of Skp2 is detected by detecting a change in the interaction of Skp2 with either p27 or Cks1.
3. The method of Claim 1 wherein the change in the activity of Skp2 is detected by detecting a change in the ubiquitination of p27 or degradation of p27 or Cks1.
4. A method for screening compounds useful for the treatment of proliferative and differentiative disorders comprising adding a compound in a purified system containing Cks1 and Skp2 or Cks1, p27 and Skp2, and detecting a change in the activity of Skp2.
5. The method of Claim 4 wherein the change in the activity of Skp2 is detected by detecting a change in the interaction of Skp2 with either p27 or Cks1.
6. The method of Claim 4 wherein the change in the activity of Skp2 is detected by detecting a change in the ubiquitination of p27 or degradation of p27 or Cks1.
7. A method for screening compounds useful for the treatment of proliferative and differentiative disorders comprising adding a compound in a purified system containing Cks1 and Skp2 or Cks1, Skp2 and a polypeptide corresponding to the carboxy terminus of the human p27 chain having the sequence NAGSVEWTPKKPGLRRRQT with or without a phosphothreonine at position 187, and detecting a change in the activity of Skp2.
8. The method of Claim 7 wherein the change in the activity of Skp2 is detected by detecting a change in the interaction of Skp2 with either the polypeptide or Cks1.

9. The method of Claim 7 wherein the change in the activity of Skp2 is detected by detecting a change in the ubiquitination of the polypeptide or degradation of the polypeptide or Cks1.